

API NUMBER: 087 22290 B

OKLAHOMA CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
P.O. BOX 52000
OKLAHOMA CITY, OK 73152-2000
(Rule 165:10-3-1)

Approval Date: 03/04/2020

Expiration Date: 09/04/2021

Multi Unit Oil & Gas

Amend reason: CHANGE BHL AND UPDATE OCC ORDERS.

AMEND PERMIT TO DRILL

WELL LOCATION: Section: 07 Township: 7N Range: 4W County: MCCLAIN

SPOT LOCATION: SE NW SE SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 940 1965

Lease Name: MCCORN Well No: 0704 4HM-18X Well will be 940 feet from nearest unit or lease boundary.

Operator Name: OVINTIV MID-CONTINENT INC. Telephone: 2812105100; 9188781290; OTC/OCC Number: 20944 0

OVINTIV MID-CONTINENT INC.
4 WATERWAY AVE STE 100
THE WOODLANDS, TX 77380-2764

ROY AND CONNIE BROOKS
26442 COUNTY LING AVE
BLANCHARD OK 73010

Formation(s) (Permit Valid for Listed Formations Only):

	Name	Code	Depth
1	MISSISSIPPIAN	359MSSP	10502
2	WOODFORD	319WDFD	10537

Spacing Orders: 655159
695814
709689

Location Exception Orders: 695815
695837
709690
709701

Increased Density Orders: 693420
693421
693422
693423
709697
709698
709699
709700

Pending CD Numbers: No Pending

Working interest owners' notified: ***

Special Orders: No Special Orders

Total Depth: 20930 Ground Elevation: 1257

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 450

Deep surface casing has been approved

Under Federal Jurisdiction: No
Fresh Water Supply Well Drilled: No
Surface Water used to Drill: No

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 20-37303
E. Haul to Commercial pit facility Sec. 31 Twn. 12N Rng. 8W Cnty. 17 Order No: 587498
H. (Other) SEE MEMO

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 5000 Average: 3000

Is depth to top of ground water greater than 10ft below base of pit? Y

Within 1 mile of municipal water well? N

Wellhead Protection Area? N

Pit is located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is: BED AQUIFER

Pit Location Formation: DUNCAN

This permit does not address the right of entry or settlement of surface damages. The duration of this permit is 18 MONTHS, except as otherwise provided by Rule 165: 10-3-1. Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

PIT 2 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Category of Pit: C

Liner not required for Category: C

Type of Mud System: OIL BASED

Pit Location is: BED AQUIFER

Chlorides Max: 300000 Average: 200000

Pit Location Formation: DUNCAN

Is depth to top of ground water greater than 10ft below base of pit? Y

Within 1 mile of municipal water well? N

Wellhead Protection Area? N

Pit is located in a Hydrologically Sensitive Area.

MULTI UNIT HOLE 1

Section: 19 Township: 7N Range: 4W Meridian: IM

Total Length: 10246

County: MCCLAIN

Measured Total Depth: 21161

Spot Location of End Point: SE SW SW SW

True Vertical Depth: 10700

Feet From: SOUTH 1/4 Section Line: 85

End Point Location from

Feet From: WEST 1/4 Section Line: 350

Lease, Unit, or Property Line: 85

NOTES:

Category	Description
DEEP SURFACE CASING	2/28/2020 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING
EXCEPTION TO RULE - 709701 (201900469)	6/22/2020 - GB6 - EXTENSION OF ORDER # 695837 UNTIL 05/08/2021.
EXCEPTION TO RULE - 695837 (201900469)	3/3/2020 - GB6 - (I.O.) 18 & 19 7N-4W X165:10-3-28(C)(2)(B) MSSP, WDFD (MCCORN 4H-18X**) MAY BE CLOSER THAN 600' TO EXISTING MCCORN 1H-18X, VALADEZ 1-19 AND/OR EVETT 1-19; AND/OR TO PROPOSED MCCORN 2H-18X, MCCORN 3H-18X, MCCORN 5H-18X, MCCORN 6H-18X, MCCORN 7H-18X, MCCORN 8H-18X, MCCORN 20H-18X, MCCORN 21H-18X, MCCORN 22H-18X, MCCORN 23H-18X, MCCORN 24H-18X. NO OP. NAMED 05/08/2019 **S/B MCCORN 0704 4HM-18X. WELL NAMES TO BE CORRECTED IN FINAL ORDER PER ATT. FOR OP.
HYDRAULIC FRACTURING	[11/3/2020 - GB6] - OCC 165:10-3-10 REQUIRES: 1) NOTICE SHALL BE GIVEN AT LEAST 5 BUSINESS DAYS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS ON A HORIZONTAL WELL TO OPERATORS PRODUCING WELLS WITHIN 1 MILE OF THE COMPLETION INTERVAL OF THE SUBJECT WELL. THE NOTICE TO SUCH OPERATORS SHALL CONTAIN THE INFORMATION IN FORM 6000NOO. IF THE HYDRAULIC FRACTURING OPERATIONS SCHEDULE CHANGES AFTER NOTICE HAS BEEN PROVIDED, RESULTING IN A DELAY OF OPERATIONS OF MORE THAN 5 DAYS FROM THE INITIAL NOTICE, NEW NOTICE IS REQUIRED TO BE GIVEN; 2) NOTICE WILL BE GIVEN TO THE OCC CENTRAL OFFICE AND THE LOCAL DISTRICT OFFICES AT LEAST 48 HOURS PRIOR TO HYDRAULIC FRACTURING OPERATIONS ON A WELL. FORM 6000NHF SHALL BE USED AND IS FOUND AT THIS LINK: OCCEWEB.COM/OG/OGFORMS.HTML ; AND, 3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS IS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION OF HYDRAULIC FRACTURING OPERATIONS, USING THE FOLLOWING LINK: FRACFOCUS
INCREASED DENSITY - 693420 (201900465)	3/3/2020 - GB6 - 18-7N-4W X665159 WDFD 7 WELLS NEWFIELD EXPLORATION MID-CONTINENT INC. (BOUGHT IN ITS ENTIRETY BY OVINTIV MID-CONTINENT INC.) 05/25/2019
INCREASED DENSITY - 693421 (201900466)	3/3/2020 - GB6 - 19-7N-4W X665159 WDFD 7 WELLS NEWFIELD EXPLORATION MID-CONTINENT INC. (BOUGHT IN ITS ENTIRETY BY OVINTIV MID-CONTINENT INC.) 05/25/2019
INCREASED DENSITY - 693422 (201900467)	3/3/2020 - GB6 - (I.O.) 18-7N-4W X665159 MSSP 4 WELLS NEWFIELD EXPLORATION MID-CONTINENT INC. (BOUGHT IN ITS ENTIRETY BY OVINTIV MID-CONTINENT INC.) 05/25/2019

This permit does not address the right of entry or settlement of surface damages. The duration of this permit is 18 MONTHS, except as otherwise provided by Rule 165: 10-3-1. Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

INCREASED DENSITY - 693423 (201900468)	3/3/2020 - GB6 - (I.O.) 19-7N-4W X665159 MSSP 4 WELLS NEWFIELD EXPLORATION MID-CONTINENT INC. (BOUGHT IN ITS ENTIRETY BY OVINTIV MID-CONTINENT INC.) 05/25/2019
INCREASED DENSITY - 709697 (201900465)	6/22/2020 - GB6 - EXTENSION OF ORDER # 693420 UNTIL 05/25/2021.
INCREASED DENSITY - 709698 (201900466)	6/22/2020 - GB6 - EXTENSION OF ORDER # 693421 UNTIL 05/25/2021.
INCREASED DENSITY - 709699 (201900467)	6/22/2020 - GB6 - EXTENSION OF ORDER # 693422 UNTIL 05/25/2021.
INCREASED DENSITY - 709700 (201900468)	6/22/2020 - GB6 - EXTENSION OF ORDER # 693423 UNTIL 05/25/2021.
LOCATION EXCEPTION - 709690 (201900442)	6/22/2020 - GB6 - EXTENSION OF ORDER # 695815 UNTIL 05/08/2021.
LOCATION EXCEPTION – 695815 (201900442)	3/3/2020 - GB6 - (I.O.) 18 & 19 -7N-4W X655159 MSSP, WDFD COMPL. INT. (18-7N-4W) NCT 165' FNL, NCT 0' FSL, NCT 330' FWL COMPL. INT. (19-7N-4W) NCT 0' FNL, NCT 165' FSL, NCT 330' FWL NEWFIELD EXPLORATION MID-CONTINENT INC. (BOUGHT IN ITS ENTIRETY BY OVINTIV MID-CONTINENT INC.) 05/08/2019
MEMO	2/28/2020 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 1 - WBM/CUTTINGS WILL BE SOIL FARMED & PIT 2 - OBM CUTTINGS TO BE HAUL TO R360/J SCOTT (587498) IN CANADIAN COUNTY - OBM TO VENDOR
SPACING - 695814 (201900441)	3/3/2020 - GB6 - (I.O.) 18 & 19 7N-4W EST MULTIUNIT HORIZONTAL WELL X655159 MSSP, WDFD (WDFD ADJACENT COMMON SOURCE OF SUPPLY TO MSSP) 50% 18-7N-4W 50% 19-7N-4W NEWFIELD EXPLORATION MID-CONTINENT INC. (BOUGHT IN ITS ENTIRETY BY OVINTIV MID-CONTINENT INC.) 05/08/2019
SPACING - 709689 (201900441)	6/22/2020 - GB6 - EXTENSION OF ORDER # 695814 UNTIL 05/08/2021.
SPACING – 655159	3/3/2020 - GB6 - (640)(HOR) 18 & 19 7N-4W EST MSSP, WDFD COMPL. INT. (MSSP) NCT 660' FB COMPL. INT. (WDFD) NCT 165' FSL, NCT 165' FNL, NCT 330' FEL, NCT 330' FWL (COEXIST SP. ORDER #203926 MISS)

TOPOGRAPHIC LAND SURVEYORS

13800 Wireless Way, Okla. City, OK. 73134 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219
Certificate of Authorization No. 1292 LS

MCCLAIN

COUNTY, OKLAHOMA

940' FSL - 1965' FWL SECTION 7 TOWNSHIP 7N RANGE 4W I.M.

GRID
OK SOUTH
US FEET

SCALE: 1" = 2000'
0' 1000' 2000'

NOTES:

- THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY.
- ALL BEARINGS SHOWN ARE GRID, NAD-83, OKLAHOMA SOUTH.
- LANDING POINT, LAST TAKE POINT, BOTTOM HOLE AND DRILL PATH INFORMATION PROVIDED BY CLIENT LISTED, NOT SURVEYED.

SURFACE LOCATION

DATUM: NAD-27
LAT: 35°05'25.0" N
LONG: 97°39'49.0" W
LAT: 35.090275° N
LONG: 97.663618° W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK SOUTH
X: X 2100636
Y: Y 639551

DATUM: NAD-83
LAT: 35°05'25.2" N
LONG: 97°39'50.2" W
LAT: 35.090342° N
LONG: 97.663933° W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK SOUTH
X: X 2069039
Y: Y 639594

This information was gathered with a GPS receiver with ±1 foot Horiz./Vert. accuracy.

CERTIFICATE:

I, Thomas L. Howell an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors, do hereby certify to the information shown herein.

Thomas L. Howell

Oklahoma Reg. No. 1433



BOTTOM HOLE
85' FSL - 350' FWL
NAD-27
35°03'31.8" N
97°40'08.5" W
35.058840° N
97.669027° W
X 2099055
Y 628105
NAD-83
35°03'32.1" N
97°40'09.6" W
35.058908° N
97.669342° W
X 2067458
Y 628147

NAD-27
X 2098697.24
Y 630660.90
NAD-83
X 2067100.55
Y 630703.22

NAD-27
X 2098705.24
Y 628017.21
NAD-83
X 2067108.57
Y 628059.51

NAD-27
X 2101271.88
Y 628037.47
NAD-83
X 2069675.24
Y 628079.79

NAD-27
X 2103915.11
Y 628058.36
NAD-83
X 2072318.49
Y 628100.70

NAD-27
X 2098689.52
Y 633304.57
NAD-83
X 2067092.81
Y 633346.91

NAD-27
X 2101263.21
Y 633324.42
NAD-83
X 2069666.52
Y 633366.79

NAD-27
X 2103899.74
Y 635989.56
NAD-83
X 2072303.05
Y 636031.96

NAD-27
X 2098681.55
Y 635948.72
NAD-83
X 2067084.82
Y 635991.08

NAD-27
X 2101239.48
Y 638617.27
NAD-83
X 2069642.75
Y 638659.68

NAD-27
X 2103888.87
Y 641271.21
NAD-83
X 2072282.14
Y 641313.66

NAD-27
X 2098673.68
Y 638592.27
NAD-83
X 2067076.93
Y 638634.66

NAD-27
X 2101239.48
Y 638617.27
NAD-83
X 2069642.75
Y 638659.68

NAD-27
X 2103888.19
Y 638632.81
NAD-83
X 2072291.48
Y 638675.23

NAD-27
X 2098665.91
Y 641236.43
NAD-83
X 2067069.15
Y 641278.83

NAD-27
X 2101228.27
Y 643892.14
NAD-83
X 2069631.50
Y 643934.59

NAD-27
X 2103871.47
Y 643909.09
NAD-83
X 2072274.72
Y 643951.56

NAD-27
X 2098657.97
Y 643880.25
NAD-83
X 2067061.18
Y 643922.68

NAD-27
X 2101228.27
Y 643892.14
NAD-83
X 2069631.50
Y 643934.59

NAD-27
X 2103871.47
Y 643909.09
NAD-83
X 2072274.72
Y 643951.56



OPERATOR: OVINTIV MID-CONTINENT INC.

LEASE NAME: MCCORN 0704 WELL NO: 4HM-18X

TOPOGRAPHY & VEGETATION Location fell in sloped grass pasture

REFERENCE STAKES OR ALTERNATE LOCATION
STAKES SET: None

GOOD DRILL SITE? Yes

BEST ACCESSIBILITY TO LOCATION: From West off of county road.

DISTANCE & DIRECTION: From Blanchard, OK take SH-76 South ±4.0 mi., then West ±1.0 mi. on Sunny Side Rd, then North ±1.0 mi. to lease road in the Southwest Corner of Section 7-T7N-R4W.

ELEVATION:

1257' Gr. at Stake (NGVD29)

1257' Gr. at Stake (NAVD88)

PROJECT # 136191

DATE OF DRAWING: OCTOBER 7, 2020

DATE STAKED: MAY 20, 2020

DRAWN BY: KEU

REVISION: 3

FILE NAME: LO_MCCORN_0704_4HM-18X_REV3